

CERMAK, Zd.

PAGE 1 BOOK REPRODUCTION 807/042

Leningrad, Universitet

Polarisatsionno-opticheskoy metod i zheidernaya napravlyayushchey komponentoi
[Optical Polarization Method for Stress Analysis] (Russian translation)[Vestn. Akad. Nauk SSSR, ser. Tekhn. Nauk, no. 1, pp. 1-21, 1958]. [Leningrad] Izd-vo
Prezidiuma Akad. Nauk SSSR, 1959. 151 p. Karta illip. Ilustred. 2,400 copies printed.Bury, M. I., S. P. Mitrokhov, R. A. I. Ts. T. Shchegoleva, Tech. Eds.; S. D. Vodolazskii,
Editorial Board; S. G. Olsman, L. M. Kukhar, V. M. Kravtsov, T. D. Matanov,

N.I. Prigorovskii, V. M. Proshkin, T. N. Romanov, and Ye. I. Mal'istova.

PURPOSE: This collection of 81 articles is intended for scientists and engineers
concerned with experimental stress analysis of machine parts and structures
components.CONTENTS: The collection contains reports presented at the conference on optical
polarization methods in stress analysis held February 15 - 21, 1958, in
Leningrad, attended by 170 delegates including representatives of the People's
Republic of China, the Polish People's Republic, the German Democratic Republic,
and the Republic of Czechoslovakia. The reports discuss general theoretical
problems and new methods of investigation and describe apparatus and materials
used in the optical method. Solutions of three-dimensional and three-
dimensional problems occurring in shipbuilding, aircraft design, in atomic
structure, in various branches of heavy industry, precision mechanics, in electronic
electronics, hydraulic structures, railroad transport, in structural mechanics,
industry, etc., are given. Solution of the three-dimensional problem by means
of the method of photoplasticity is introduced and the use of this method for
the solution of problems associated with plasticity theory, dynamics, hydro-
dynamics, etc., is demonstrated. Reports previously published elsewhere are
printed here in abbreviated form. No personnel lists are mentioned. References
are found at the end of 67 of the reports.

5. *Zemnickij, Jan (Zachoborowski). Investigation With Optical Polarization
Methods at the Czechoslovak Academy of Sciences*
- II. PROBLEMS IN SETTING UP INVESTIGATION PROCEDURES FOR
THREE-DIMENSIONAL AND TWO-DIMENSIONAL MODELS
6. *Mitrokhov, S. P. Some Problems in the Investigation of the Three-
Dimensional Problem by the Optical Polarization Method*
7. *Ostapenko, S. G., and O. V. Kondratenko. Determination of Calculated Stress
According to Theory IV of Strength in Three-Dimensional Photoplastic Models*
8. *Dresler, V. M. On Experimental Radiometry in Photoplasticity*
9. *Proshkin, T. N. On the Solution of a Three-Dimensional Problem by the
Optical Method*
10. *Kukhar, V. M. (Gerasimov, V. M.). Use of a Net Method for Determining
the Three-Dimensional Stress State in the Two-Dimensional Problem of
Photoplasticity*
11. *Rash, F. I. On the Experimental Membrane-Scaling Method*
- III. OPTIMALLY ACTIVE MATERIALS
12. *Shchegoleva, T. A. (Gerasimov, V. M.). Use of Optically Active Materials
in the Optical Polarization Method*
13. *Makarov, S. D. Optically Active Materials Used in Laboratory Practice*
14. *Sokolov, D. A. and V. A. Belyaev. Use of Graft Polymers and
Synthetic Resins for the Synthesis of New Optically Active Materials*
15. *Mitrokhov, M. (Zachoborowski). A New Czechoslovakian Photoplastic
Material "Plastoplast"*
- IV. ENGINEERING THE OPTICAL-POLARIZATION INVESTIGATIONS
16. *Makarov, S. D. Instruments of the Scientific Research Institute
for Stress Analysis by the Optical Polarization Method*
17. *Shchegoleva, T. A. (Gerasimov, V. M.). Use of a Net Method for Determining
the Three-Dimensional Stress State in the Two-Dimensional Problem of
Photoplasticity*
18. *Rash, F. I. On the Experimental Membrane-Scaling Method*
19. *Makarov, S. D. Optically Active Materials Used in Laboratory Practice*
20. *Sokolov, D. A. and V. A. Belyaev. Use of Graft Polymers and
Synthetic Resins for the Synthesis of New Optically Active Materials*
21. *Mitrokhov, M. (Zachoborowski). A New Czechoslovakian Photoplastic
Material "Plastoplast"*

CHERMAK, Zdenek [Cermak, Zdenek], inzh.

New reinforced-concrete elements in rural construction in
Czechoslovakia. Sel'. stroi. [i.e.16] no.3:26-27 Mr '62.
(MIRA 15:7)

(Czechoslovakia--Reinforced concrete construction)
(Czechoslovakia--Farm buildings)

CERMAK, Z., inz.; Klapetek, F., inz., CSc.; NEHAMMER, R.

Device for measurement of pressures of loose materials and
liquids. Automatizace 6 no.12:314 D '63.

CERMAK, Zdenek

Properties and use of artificial foam for heat and sound insulation.
Poz stavby 11 no.2:108 '63.

CERMAK, Zdenek

Control of concrete mixture properties. Inz stavby 11 no.3:116 Mr
'63.

1. Montovane stavby, n.p., Brno.

CERMAK, Zdenek

Foundations of industrial buildings. Poz stavby 11 no.11:
619; 163.

CERMAK, Zdenek

Polystyrene as a light concrete filler. Inz stavby 12
no. 2: 81-82 F '64.

1. Montovane stavby, n.p., Brno.

CERMAK, Zdenek, inz.; PEJCHOTA, Zdenek, inz.

Increasing the bearing capacity of pipelines embedded in the soil
by a compressible insertion piece. Inz stavby 12 no. 3: 20-124
Mr '64.

1. Research Institute of Civil Engineering Construction, Bratis-
lava (for Cermak). 2. Hydroprojekt, Prague (for Pejchota).

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000308020017-0

CERMAK, Z.

Prestressed concrete in the United States. Stavivo 42 no.10:
387-389 0 '64.

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000308020017-0"

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000308020017-0

CERMAK, Zdenek

The light crane. Poz stavby 13 no. 2:82 '65.

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000308020017-0"

ACC NR: AM6029661

Monograph

CZ/

Bartonicek, Robert (Engineer; Candidate of Sciences) Barton, Karel; Bret, Zdenek; Cermakova, Dagmar; Cerny, Miroslav; Cihal, Vladimir; Dvorak, Alois; Franz, Ferdinand; Holinka, Miroslav; Mechura, Jaroslav; Nemcova, Jitka; Prazak, Milan; Rypar, Vratislav; Spanily, Jaroslav; Spanily, Vlastimil; Sverepa, Otakar.

Corrosion and anticorrosive protection of metals (Koroze a protikorozni ochrana kovu) Prague, NCAV, 1966. 719 p. illus., biblio., index. Errata slip inserted. 2500 copies printed.

TOPIC TAGS: corrosion, corrosion rate, corrosion resistance, ~~corrosion prevention~~, protective coating, corrosion inhibitor, metal corrosion, alloy corrosion, CORROSION RESISTANT METAL

PURPOSE AND COVERAGE: This book is intended for scientists, engineers and technicians concerned with corrosion problems. The book is a collection of articles by several authors on the corrosion of metals and alloys and corrosion prevention.

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SUB CODE: 11 / SUBN DATE: none / ORIG REF: 205/ SOV REF: 198/
OTH REF: 999/

Card 3/3

CERNAKOVÁ, DARGAŘ

Acta
of water and aqueous solutions on poly(vinyl chlo-
ride) and polycaprolactam / František Doležel and Dářmar
Cernáková. Chem. trnky 6, 325-20 (1966). The sorp-
tion of water and aq. solns. by poly(vinyl chloride) and
polycaprolactam was found to be diff'd. by a developed math.
formula by which the life expectancy of these plastics in the
said media can be calc'd. The mechanism of sorption and
its slowdown by changes of concn. and by internal stresses
in poly(vinyl chloride) and other amorphous plastics is
explained from the dependence curve of diffusion and perme-
ability const. on time. In case of polyamide an addnl. factor is the
increasing crystallinity during the exposure period.
The changes in crystallinity were experimentally ded'd.,
and by this some failures of polyamides in corrosive media
are explained. It was found that polycaprolactam can
resorb selectively some ions from the soln.

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2 M A Y

RUMIT

80372

Z/009/60/000/04/035/041
E142/E235

18.7.400

AUTHORS: Bartoň, K., Černáková, D., Hron, J., and Bartoňová, S.

TITLE: Anti-Corrosive Paints Containing Ion Exchange Resins 1

PERIODICAL: Chemický průmysl, 1960, Nr 4, pp 214-217

ABSTRACT: Corrosion under-coating compositions are influenced by the action of anions, especially of SO_4^{2-} and Cl^- . The authors suggest that it is possible to simulate the most important properties of anti-corrosive pigments i.e. the ability to form insoluble salts with anions. The proposed anti-corrosive paints comprise cation exchange resins with Ba^{2+} and Pb^{2+} in the cycle. These reduce and under optimum conditions inhibit corrosion under the coating (Figs 1, 2 and 3). These paints were tested on a laboratory scale and for one year under industrial conditions; it was found that they gave more satisfactory protection to steel even if the coating was applied on a fairly thin layer of rust. They give protection which is almost as effective as that of lead base anti-corrosive pigments, and it is possible to formulate coatings with a shorter drying time, which can be sprayed. They can be applied in plants where the removal of rust is often

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E142/E235

Anti-Corrosive Paints Containing Ion Exchange Resins

difficult. There are 3 figures, 3 tables and 15 references, 6 of which are English, 1 Italian, 2 German, and 6 Czech.

ASSOCIATION: Státní výzkumný ústav ochrany materiálu
G. V. Akimova, Praha (State Research Institute for
the Protection of Materials "G. V. Akimov" Prague)

SUBMITTED: September 1, 1959

Card 2/2

11800

Z/034/62/000/005/007/007
E073/E335

11800

AUTHORS: Rýpar, V. and Čermakova, D., Engineers

TITLE: Corrosion of stainless steel in the activating media.
Paint systems which are suitable for use in the
activation region

PERIODICAL: Nutnické listy, no. 5, 1962, 369

TEXT: Deactivation methods permit reducing the surface activity of areas with radioactive contamination. One of the most aggressive media is a 5% solution of HNO_3 , 0.2% NaF, 0.2% $\text{C}_2\text{H}_2\text{O}_4$, working in the temperature range 60 - 70 °C.

Stainless steels of various types were tested in this medium by using alternate submersion in accordance with the timing of the proposed deactivation process and by continuous submersion. The results are given in the table below. A comprehensive evaluation was made of the resistance to radiation and chemical aggression, the achieved degree of deactivation and technical-application problems. On the basis of the obtained results a system of epoxyde paints, types S 2300, S 2322 and S 2321, is Cara 1/2 ✓

Corrosion of stainless steel

Z/034/62/000/005/007/007
E073/E335

proposed for use in the active region of nuclear power stations
with temperatures up to 80 °C.

Research Report SVUOM 48/61, 12 pages, 2 figures, 5 tables.

[Abstracter's note: this is a complete translation.]

Card 2/5

HAJICEK, V.; GERMAKOVA, E.; HAJICKOVA, V.; JEZKOVA, D.

Chondro-osteoplastic tracheopathy in the etiopathogenesis of
bronchial asthma. Cas.lek.cesk.99 no.48:1508-1511 25 N '60.

1. Alergologicke oddeleni KUNZ v Brne, prednosta MUDr. V.Hajicek
C. Sc.

(ASTHMA etiol)
(TRACHEA dis)

DOUTLIK, Stanislav. Technicka spoluprace: CERMAKOVA, E.; DOCKALOVA, R.

Results of dynamic examination of motor disorders in paretic
neuroinfections. Acta Univ. Caral. [med.] (Praha) 9 no.2:115-122
'63

1. Laborator pro vyzkum poliomyelitidy fakulty detskeho lekarstvi
University Karlovy; reditel: prof. MUDr. J.Prechazka.

OPEKAR, B.; Laboratorni spoluprace: CERMAKOVA, I.; JEDLICKOVA, H.;
KREJCAROVA, A.; HRUBES, V.

Results of investigations of the atmospheric contamination
in some centres of the South Bohemian region. Cesk. hyg. 8
no. 5:254-264 Je '63.

1. KHES, Ceske Budejovice.
(AIR POLLUTION)

OPEKAR, B.; CERMAKOVA, I.

Study of the sulphur tetroxide concentration and the analysis
of the causes of its variations in the atmosphere in Ceske
Budejovice. Cesk. hyg. 9 no. 2:78-84 Mr'64

1. KHES, Ceske Budejovice.

X

AMM 5/9/83
CERMAKOVA, M.

3.1.199
Cermaкова, Marie. *Síly ve velké Praze*. [Precipitation in Prague].
Meteorologický Zprávy, 4(8-9):116-119, 1980. 2 figs. In Czech. BMRRH 341.3
height above sea level of 25 stations in Prague and the deviation of their mean. Precipitation values from the overall average are shown on two charts. Statistical conclusions regarding distribution of means and extremes in time and space. Case histories of precipitation. Long period yearly average of total precipitation for the whole city of Prague is 650 mm. The statistical data are based on records of the last 40 years but it is a record of precipitation was first measured in 1752 and continuous records for the Klementinum were kept since 1801. Subject Headings: 1. Precipitation distribution. 2. Long period records.
Prague, Czechoslovakia. G. I.

STAVA, Zdenek, MUDr; asistent kliniky; CERMAKOVA, Ruxena, MUDr, klin.
sekundar.

Present concepts on etiology, pathogenesis, and therapy of acne
vulgaris; review with practical considerations. Cesk.derm. 30
no.4:246-255 Aug '55.

1. Z II. dermatologické kliniky v Praze (prednosta prof.MUDr
Karel Hubschmann)
(ACNE,
review)

STAVA, Zdenek, MUDr, as klin.; CERMAKOVA, Ruzena, MUDr, klin. sek

Removal of freckles with phenol-ether solution. Cesk.derm. 31 no.4:
223-225 Aug 56

1. Z II. dermatol. kliniky KU v Praze, predn. prof. Dr. K. Hubshman
(LENTIGO, ther.
removal with phenol-ether solution (Cz))
(PHENOLS, ther. use
phenol-ether solution in removal of lentigines (Cz))
(ETHER, ther. use
ether-phenol solution in removal of lentigines (Cz))

DURAY,L.; DEMKOVA, A.; CERMAN, J.; LUKAN, J.; ZALUDKO, J.

Apropos of the significance of Corynebacterium in ozena. Cesk. otolaryng. 14 no.1:32-34 F'65.

1. Katedra krcneho lekarstva (veduci: prof. dr. M. Suster, DrSc.); Lekarskej fakulty University P.J. Safarika v Kosiciach a Infekcne oddelenie F.N. v Kosiciach (veduci: T. Mitttermayer).

CERMAN, J., MUDr.

Work of the district physician. Prakt. lek., Praha 35 no.14:
332-333 20 July 55.

1. Obvodni lekar, Miliceves.
(PHYSICIANS
in Czech., district physician's work)

PUZOVA, Hana; SZABOVA, Katarina; CERMAN, J.; PUZA, A.; KUNSTADT, E.;
ZADUBAN, M.

The problem of autoinfection after total body lethal irradiation
of dogs with ^{60}Co . Folia biol. 8 no.5:298-308 '62.

1. Department of Medical Microbiology, Research Laboratory of the
Clinic of Surgery and Radiology Clinic of the Medical Faculty,
Safarik University, Kosice.

(COBALT ISOTOPES) (RADIATION INJURY, EXPERIMENTAL)
(INFECTION)

MATOUSEK, Jiri; CERMAN, Josef.

Simple method for highly sensitive detection of organic phosphorus inhibitors of cholinesterase and for rapid determination of pseudocholinesterase. Prac. lek. 16 no.1:13-16 Ja'64

1. Vojenska akademie A.Zapotockeho, Brno.

CERMAN, V.; CERNA, J.; SORM, F.

"Effect of the mechanism of antibiotics. XI. Investigation of the effect of chloramphenicol on the nitrogen exchange in Escherichiacoli in using ^{15}N ."
(In German)

COLLECTION OF CZECHOSLOVAK CHEMICAL COMMUNICATIONS., Praha, Czechoslovakia,
Vol. 23, no. 11, Nov. 1958

Monthly list of EAST EUROPEAN ACCESSIONS (WEAI), LC, vol. 8, No. 7, July 1959, Unclass.

CERMANOVA, M.;STOPEKHOVA, N.

2 cases of melanoblastoma of the choroid. Cesk. oft. 16 ro.l:
74-77 Ja '60

1. Klinika pre ocne choroby lek. fak. U.P.J. Safarika v Kosiciach,
prednosta prof. MUDr. J. Pajtas Ustav patologickej anatomie lek.
fak. U. P. J. Safarika v Kosiciach, prednosta doc. MUDr. I. Kutlik.
(CHOROID, neopl.)
(MELANOMA case reports)

CEMANOVIC, K.

Sanitation in the canning industry. p. 587.
TEHNIKA, Beograd, Vol. 10, no. 4, 1955.

SO: Monthly List of East European Accessions, (EEAL), I.C., Vol. 4, no. 10, Oct. 1955,
Uncl.

CERMANOVIC, M.

Contribution to sanitation in the food industry. p. 1233.
TEHNKA (Savaz inzenjera i tehnicara Jugoslavije) Beograd.
Vol. 11, no. 8., 1956.

SOURCE: East Europe Accession List (EEAL),
Library of Congress, Vol. 5, no. 11, Nov. 1956

CERMELJ, L.

Yugoslavia (430)

Science - Serials

The fusion of atomic nuclei. p. 1.
PROTEUS. (Prirodoslovno drustvo)
Ljubljana. (Ten no. a year, illustrated
popularized science magazine, issued by
the Slovenian Society of Natural
Sciences) Vol. 13, no. 1, Sept. 15, 1950.

East European Accessions List. Library of
Congress, Vol. 1, no. 13, November 1952.
UNCLASSIFIED.

CHERMELJ, L.

"Georg Vega (1754-1802); a Speech Delivered in Ljubljana at the Solemn Conference of the Society of Mathematicians and Physicians of Slovenia, April 9, 1954, in Commemoration of the Two-Hundredth Anniversary of Vega's Birth." p. 65, Ljubljana, Vol. 22, no. 3/4, 1954.

SO: East European Acquisitions List, Vol. 3, No. 9, September 1954, Lib. of Congress

CERMELJ, Lavo

Some thoughts on the higher eduction of the teachers of physics.
On the occasion of the hundredth anniversary of the birth of
Ernst Grisebach, author of the known textbook on physics. Ob mat
fiz 9 no.2:90-91. Ag '62.

CERMELJ, S.

Yugoslavia (l30)

Technology

Methane in Italy, p. 297, Nova Proizvodnja,
Vol. 2, No. 5, October 1951.

East European Accessions List, Library of Congress,
Vol. 2, No. 3, March 1953. UNCLASSIFIED.

SCHIELE, S.

Freeing the inundated coal mine of Secovlje from water by means of pumps.
p. 3. (NOVA PROIZVODNJA, Vol. 5, no. 1, May 1954, Ljubljana, Yugoslavia.)

SO: Monthly list of East European Acces:ions, (EEL), L., Vol. 4, no. 1
Jan. 1955, Incl.

CERMELJ,,S.

A domestic mine lamp.

p. 279 (Rudarsko-Metalurski Zbornik) No. 3, 1957, Ljubljana, Yugoslavia

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (EEAI) LC, VOL. 7, NO. 1, JAN. 1958

CFRMELJ, S.

What should a miner's lamp be like? p. 1140.

(TEHNIKA. Vol. 12, No. 7, 1957, Beograd, Yugoslavia)

SO: Monthly List of East European Accessions (EEAL) Lc. Vol. 6, No. 10, October 1957. Uncl.

CERMELI, S.

Impressions from French mines. p. 156.

Periodical: NOVA PROIZVODNJA.

Vol. 9, no. 3, June 1958.

TECHNOLOGY

SO: Monthly List of East European Accessions (EEAI) LC

Vol. 8, No. 4
April 1959, Uncl.

CERMELJ, S.

New products of the Varnost Factory in Zagorje. p. 197.

Periodical: NOVA PROIZVODNJA.

Vol. 9, no. 3, June 1958.

TECHNOLOGY

SO: Monthly List of East European Accessions (EEAI) LC

Vol. 8, No. 4
April 1959, Uncl.

CERMELJ, S.

Mechanized transport and unloading of the dead in mines. p. 311.

RUDARSKO- METALURSKI ZBORNIK. (ljubljana. Univerza. Fakulteta za rudarstvo, metalurgijo in kemijsko tehnologijo. Oddelek za rudarstvo in metalurgijo) Ljubljana, Yugoslavia, No. 3, 1958.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 6, June 1959.

Uncl.

CERMELJ, S.

Coal mines in India. p. 266.

Periodical: NOVA PROIZVODNJA.

Vol. 9, no. 4/6, 1958.

TECHNOLOGY

SO: Monthly List of East European Accessions (EEAI) LC

Vol. 8, No. 4
April 1959, Uncl.

Odeščilj, S.

Simple-steel timbering of a shaft for single-railed and double-railed tracks. p. 238.

NOVA PROISVODNJA. (Zveza drustev inzenirjev in tehnikov LKS) Ljubljana,
Yugoslavia. Vol. 10, no. 5, 1959.

Monthly list of East European Accessions (EEAI) LC, Vol. 9, no. 1,
Jan. 1960

Uncl.

ČERMÍK, K.

ČERMÍK, K. Map making by the photomechanical method. p. 222.

Vol. 4, no. 12, Dec. 1954.

ZEMĚMĚŘICTVÍ

SCIENCE

Fraha, Czechoslovakia

So: East European Accessions, Vol. 5, no. 5, May 1956

CERMIN, Karel, RNDr.

Making high quality reproduction models and printing plates
for offset color prints. Paper a celulosa 18 no.9:187-191 S '63.

1. Vyzkumný ustav polygrafický, Praha.

CERMIN, Karel, RNDr.

Offset printing and outlook for its use. Papir a celulosa 18
no.8:168-170 Ag'63.

1. Vyzkumny ustav polygraficky, Praha.

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CIA-RDP86-00513R000308020017-0

PANOV, T.P., inzh.; CHIRMYANIN, N.R., inzh.

Shortening the steaming period for reinforced-concrete products.
Transp. stroi. 15 no.2:32-34 F '65. (MIRA 18:3)

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000308020017-0"

CERNA, Eliska

Contribution to the problem of the presence of multipolar cells in
the spinal ganglia. Scr. med. fac. med. Brunen. 35 no.4:133-134 '62.

1. Aus dem Anatomischen Institut der Universitat J.E.Purkyne in Brunn
Direktor: Prof. Dr. K. Zlabek.
(GANGLIA SPINAL anat & histol)

CERNA, E., and others

The use of an electron microscope in the analysis of the submicroscopic structure of dried milk. p. 153. (PRUMYSL POTRAVIN, Vol. 7, No. 4, 1956, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 12, Dec 1957. Uncl.

CERNA, E.

Application of the thiobarbituric test for the determination of oxidational changes in milk fats. p. 182. (PRUMYSL POTRAVIN, Vol. 7, No. 4, 1956.
Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (REAL) LC, Vol. 6, No. 12, Dec 1957. Uncl.

CZECHOSLOVAKIA / Chemical Technology, Chemical Products and Their Application, Part 3. - H
Food Industry.

Abs Jour: Ref Zhur-Khimiya, No 18, 1958, 62722.

Author : Eva Cerna, Marie Kalabusova.

Inst : Not given.

Title : Preparation of Milk Protein Concentrates.

Orig Pub: Vyziva lidu, 1957, 12, No 2, 24.

Abstract: A report on the preparation of several kinds of protein concentrates from defatted milk under pilot-plant conditions. It is shown that the protein content in the dry concentrate substance of milk, and the contents of fat, lactose and salts is lower. The medicinal-dietary importance of the concentrate prepared with the acidophilic bacilli is noted.

Card 1/1

U.S. GOVERNMENT PRINTING OFFICE : 1957 10-1200-1000

Application of the thiobarbituric acid method for determination of oxidative changes in butter. E. Cernak, J. Masek, and M. Piskur. *Z. Lebensm.-Untersuch. u. -Forsch.* 105, 88-92 (1957).—The test was applied to butters from sweet cream, cultured cream, soured cream, and normally soured cream. All butter samples were stored 6 months at -0°. The averages of the results were, resp., 0.9, 0.6, 0.0, 0.0, and 2.7 units. *M. M. Piskur*

CERNA, E.

TECHNOLOGY

periodicals: PRUMYSL POTRAVIN Vol. 9, no. 8, Aug. 1958

CERNA, E. Conditions for improving the mechanical washing of cans. p. 403.

Monthly List of East European Accessions (EEAI) LC Vol. 8, no. 5
May 1959, Unclass.

CERNA, E.

Possibilities of the use of DK meters for a quick determination of dry matter
in some milk products. p. 482

PRUMYSL PCTRAVIN. (Ministerstvo potravarskeho prumyslu) Praha, Czechoslovakia.
Vol. 9., no. 9, Sept. 1958:

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1. Research Institute of Dairy Industry, Prague, (for Cerna).
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1. Institute of Dairy Research, Prague.

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1 - F/W

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S. Levy (Washington, D. C.),

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The toxicity and oxytocic effect of 4 piperidine derivatives was studied: 2-(1-piperidylmethyl) - 5:6:7:8-tetrahydronaphthalene-HCl (I), N-(3:4-dimethoxybenzyl)
piperidinium chloride (II), N-(3:4-ethylendioxybenzyl) piperidinium chloride (III)
and N-(3:4-methylendioxybenzyl) piperidinium chloride (IV). II has low toxicity
and the highest uterotonic effect in the rabbit. The effect is rapid and more lasting
than that of posterior pituitary extract. Blood pressure and respiration are
not influenced by the therapeutic doses. A dose of 25 mg. i.v. in man decreased
the heart rate and blood pressure for 5 min.

Zadina - Prague

SO: EXCERPTA MEDICA, Section II Vol. 7 No. 11

CELESTE SAVAKA

UHLÍK, L; CERNA, H.

Chair of Hygiene of the Faculty of General Medicine of
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Reversibility of cardiac contraction after temporary obstruction
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Institute of Organic Chemistry and Biochemistry, Czechoslovak
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Prague, Collection of Czechoslovak Chemical Communications,
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1. Neurochirurgicka klinika fakulty vseobecneho lekarstvi KU v
Praze; Ustredni vojenska nemocnice, (prednosta prof. dr. Z. Kunc,
DrSc.) a Fyziatricke oddeleni UVN v Praze, nacelnik MUDr. V.
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Abs Jour: Ref Zhur-Khimiya, No 23, 1958, 79476.

Author : Cerna, J., Houbova, V., Manousek, O., Fragner, J.

Inst : Not given.

Title : The Retention of Vitamins and Minerals in Meat Products.

Orig Pub: Prumysl potravin, 1957, 8, No 11, 567-571.

Abstract: The losses of thiamine (I) and riboflavin (II), calcium, magnesium, phosphorus and iron were studied in a process of industrial production of sausage goods and smoked products, canned meat as well as boiled and frozen meat and their sub-products. The basic causes for losses of water-soluble compounds is their leaching out in pickling and boiling. The effectiveness of the leaching increases proportionally to the increase in temperature, the time of the production pro-

Card 1/2

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1. Central Research Institute of Food Industry, Prague.
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Institute of Organic Chemistry and Biochemistry,
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Prague, Collection of Czechoslovak Chemical Communications, No 5, 1963, pp 1215-1222

"The Effect of 5-Fluorouracil-Containing Ribonucleic Acid on Protein Synthesis by Escherichia coli in vivo."

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1. Research Institute of Veterinary Medicine, Brno.

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